

SDI CAPTURE CARDS

3G SDI, HD-SDI, SD-SDI,
HDMI, MFI, ASI



Osprey 845e – 4 Channels

- 3G SDI (424M) (limited to 2 channels)
- HD SDI (292M)
- SD SDI (259M)
- DVB-ASI MPTS/SPTS (Windows only)

Osprey 840e – 4 Channels

- HD SDI (292M)
- SD SDI (259M)
- DVB-ASI MPTS/SPTS (Windows only)

Osprey 825e – 2 Channels

- 3G SDI (424M)
- HD SDI (292M)
- SD SDI (259M)
- DVB-ASI MPTS/SPTS (Windows only)

Osprey 816e – 1 Channel

- 3G SDI (424M)
- HD SDI (292M)
- SD SDI (259M)
- DVB-ASI MPTS/SPTS (Windows only)

Osprey 815e – 1 Channel

- HD SDI (292M)
- SD SDI (259M)
- DVB-ASI MPTS/SPTS (Windows only)

The SDI PCIe Series of Capture Cards offer a wide range of input selections, including single, dual and quad SDI.

SimulStream® a standard feature on all SDI models, is an Osprey feature which allows each input to produce multiple parallel output streams with completely independent settings for color space, cropping, scaling, closed caption and overlays facilitating simultaneous delivery to multiple applications.

Ideal for mission critical video capture. Deploy two or more cards in a single workstation or server chassis for maximum input density. Driver based pre-processing features include VBI/VANC closed-caption extraction/on-screen rendering, logo/bitmap overlay, scaling, cropping, de-interlacing, inverse telecine, ProcAmp control, Vector Scope and Lumi Scope

The quality, reliability and flexibility makes this series perfect for applications in Broadcast, Education, Enterprise, Government, Medical, Military, Sports and House of Worship.

Addition Audio Options are available with the 800a Audio Expansion Card.

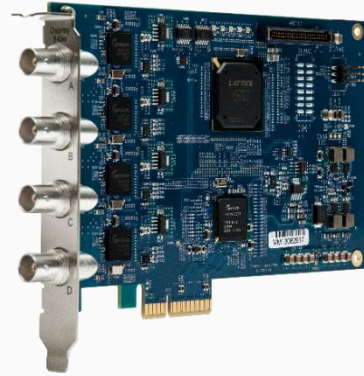
800a Specs →

Osprey®
Video

Osprey® 845e

Video capture card

Model:
95-00273 Osprey 845e



Technical Specifications

Description

Four channel HD, SD-SDI, DVB-ASI
Or Two Channel 3G, HD, SD-SDI, DVB-ASI

Format

- PCI Express (x 4):
- Slots: x 4, x 8, or x 16

Video Input

- 3G SMPTE 424M x 2
- HD SMPTE 292M x 4
- SD SMPTE 259M x 4
- DVB-ASI X4

Video Connector

- SDI (BNC x4)

Audio Features with 800a Audio Expansion

- 2x stereo balanced XLR*
- 2x stereo unbalanced RCA*
- 2x stereo balanced XLR or AES/EBU or SPDIF

Video Modes

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 720p 23.98, 24, 25, 29.97, 50, 59.94, 60
- 720 x 480 29.97, 30/i (NTSC)
- 720 x 576 25/i (PAL)
- 720 x 576 25, 50/p

Audio Input

Embedded SDI (4 stereo pairs per SDI input)

Dimensions

6.60" L x 4.38" H (16.76cm L x 11.13cm H)
Full height/half length

Weight

122 g

Power Consumption

9.3 W

Osprey® 840e

Video capture card

Model:
95-00496 Osprey 840e



Technical Specifications

Description

Four channel HD, SD-SDI, DVB-ASI

Format

- PCI Express (x 4):
- Slots: x 4, x 8, or x 16

Video Input

- 3G SMPTE 424M x 2
- HD SMPTE 292M x 4
- SD SMPTE 259M x 4
- DVB-ASI X4

Video Connector

- SDI (BNC x4)

Audio Features with 800a Audio Expansion

- 2x stereo balanced XLR*
- 2x stereo unbalanced RCA*
- 2x stereo balanced XLR or AES/EBU or SPDIF

Video Modes

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30
- 720p 23.98, 24, 25, 29.97, 50, 59.94, 60
- 720 x 480 29.97, 30/i (NTSC)
- 720 x 576 25/i (PAL)
- 720 x 576 25, 50/p

Audio Input

Embedded SDI (4 stereo pairs per SDI input)

Dimensions

6.60" L x 4.38" H (16.76cm L x 11.13cm H)
Full height/half length

Weight

122 g

Power Consumption

9.36 W



Osprey® 825e

Video capture card

Model:

95-00479 Osprey 825e



Technical Specifications

Description

Two channel 3G, HD, SD-SDI, DVB-ASI

Format

- PCI Express (x 4):
- Slots: x 4, x 8, or x 16

Video Input

- 3G SMPTE 424M x 2
- HD SMPTE 292M x 2
- SD SMPTE 259M x 2
- DVB-ASI X2

Video Connector

- SDI (BNC x2)

Audio Features with 800a Audio Expansion

- 2x stereo balanced XLR*
- 2x stereo unbalanced RCA*
- 2x stereo balanced XLR or AES/EBU or SPDIF

Video Modes

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 720p 23.98, 24, 25, 29.97, 50, 59.94, 60
- 720 x 480 29.97, 30/i (NTSC)
- 720 x 576 25/i (PAL)
- 720 x 576 25, 50/p

Audio Input

Embedded SDI (4 stereo pairs per SDI input)

Dimensions

6.60" L x 2.71" H (16.76cm L x 6.88cm H)
Low Profile

Weight

70g

Power Consumption

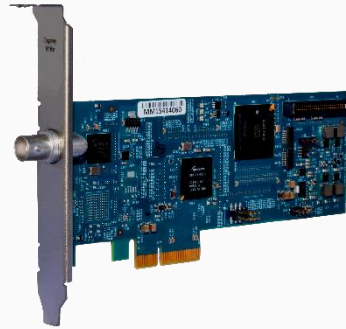
6.3 W

Osprey® 816e

Video capture card

Model:

95-00495 Osprey 816e



Technical Specifications

Description

One channel 3G, HD, SD-SDI, DVB-ASI

Format

- PCI Express (x 4):
- Slots: x 4, x 8, or x 16

Video Input

- 3G SMPTE 424M
- HD SMPTE 292M
- SD SMPTE 259M
- DVB-ASI

Video Connector

- SDI (BNC)

Audio Features with 800a Audio Expansion

- 2x stereo balanced XLR*
- 2x stereo unbalanced RCA*
- 2x stereo balanced XLR or AES/EBU or SPDIF

Video Modes

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 720p 23.98, 24, 25, 29.97, 50, 59.94, 60
- 720 x 480 29.97, 30/i (NTSC)
- 720 x 576 25/i (PAL)
- 720 x 576 25, 50/p

Audio Input

Embedded SDI (4 stereo pairs)

Dimensions

6.60" L x 2.71" H (16.76cm L x 6.88cm H)
Low Profile

Weight

70g

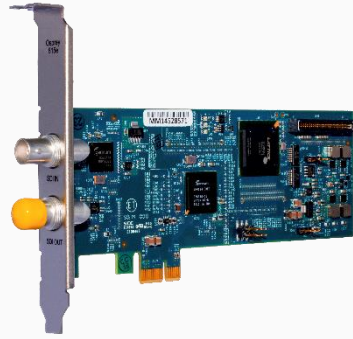
Power Consumption

6.3 W

Osprey® 815e

Video capture card

Model:
95-00486 Osprey 815e



Technical Specifications

Description

One channel HD, SD-SDI, DVB-ASI with Loop-Out

Format

- PCI Express (x 1):
- Slots: x1, x 4, x 8, or x 16

Video Input

- HD SMPTE 292M
- SD SMPTE 259M
- DVB-ASI

Video Output

Uncompressed pass-through of input signal

Video Connector

- SDI (BNC x2)

Video Modes

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30
- 720p 23.98, 24, 25, 29.97, 50, 59.94, 60
- 720 x 480 29.97, 30/i (NTSC)
- 720 x 576 25/i (PAL)
- 720 x 576 25, 50/p

Audio Input

Embedded SDI (4 stereo pairs)

Dimensions

6.60" L x 2.71" H (16.76cm L x 6.88cm H)
Low Profile

Weight

70g

Power Consumption

6.3 W





Common Technical Specifications

Operating Temp Range

- 0 to 40 C

Non-Operating Temp Range

- -40 to +75 C

Rel Humidity Operating

- Between 5% and 80% (noncondensing)

Rel Humidity Non-Operating

- 95% RH (non-condensing); gradient 30% per hour

Available Drivers

- Microsoft Windows
- Linux
- For more information on the latest OS compatibility please visit:
www.ospreyvideo.com

Operating Altitude Range

- 0 to 3,048 meters (10,000 feet)

Non-Operating Altitude Range

- 0 to 15,240 meters (50,000 feet)

System Recommendations

- High quality video capture requires a PCIe bus with direct access to the CPU

Warranty

- 2 Years

Compliance

- CE, FCC, ROHS, WEEE

In the box

- Capture Card
- All applicable cables, adapters & brackets